

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	610	(361/765-766).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/20 10:28
S1	1525	(361/761-764).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/20 10:28
S7	327	S4 not (S5 S6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 13:02
S6	610	(361/765-766).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/20 13:02
S5	1525	(361/761-764).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/20 13:02
S4	440	(361/738,782).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/20 13:02
S3	486	S2 not S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 13:02
S8	0	("6889155").URPN.	USPAT	OR	ON	2006/07/20 14:26
S9	0	@pd="20021226"	USPAT	OR	ON	2006/07/20 14:27

## EAST Search History

S10	21	("4490429"   "4629681"   "4736521"   "4763403"   "4795670"   "5111003"   "5375042"   "5478972"   "5847326"   "5943212"   "6114753"   "6118183"   "6228467"   "6351026"   "6353189"   "6407343"   "6458912"   "6535398").PN. OR ("6818836").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 14:29
S11	48	("4301324").PN. OR ("4490429"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 14:30
S12	59	("3913219"   "3947956"   "4416914"   "4555745"   "4566186"   "4632845"   "4774634"   "4808434"   "4870746"   "5225969"   "5298687"   "5305523"   "5347258"   "5354599"   "5384434"   "5428190"   "5502889"   "5527998"   "5599595"   "5688584"   "5716663"   "5727310"   "5747222"   "5758575"   "5763058"   "5814366").PN. OR ("6021050").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 14:32
S13	45	("3561110"   "3680005"   "3726002"   "3838204"   "3875479"   "3895435"   "3916514"   "4030190"   "4202007"   "4237606").PN. OR ("4328531").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 14:36
S15	14	("5814366").URPN.	USPAT	OR	ON	2006/07/20 14:40
S14	6	("4490429"   "4650923"   "4791239"   "4795670"   "4806334"   "4882650").PN. OR ("7004984").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 14:40
S16	43	("3648364"   "3775725"   "4180608"   "4267634"   "4424251"   "4486738"   "4554732"   "4574255").PN. OR ("4870746").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 14:41
S18	62	("3031344"   "4299873"   "4313026"   "4328531"   "4459166"   "4465742"   "4620264"   "4650923"   "4663215"   "4665468"   "4672152"   "4675788"   "4732798").PN. OR ("4795670"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/22 12:17

## EAST Search History

S17	6	("4490429"   "4650923"   "4791239"   "4795670"   "4806334"   "4882650").PN. OR ("7004984").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/22 12:17
S19	21	("4490429"   "4629681"   "4736521"   "4763403"   "4795670"   "5111003"   "5375042"   "5478972"   "5847326"   "5943212"   "6114753"   "6118183"   "6228467"   "6351026"   "6353189"   "6407343"   "6458912"   "6535398").PN. OR ("6818836").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/22 12:18
S20	48	("4301324").PN. OR ("4490429"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/22 12:20
S21	15	("2525209"   "3021233"   "3440182"   "3480566"   "3516949"   "3960777"   "3969570"   "4004057"   "4795670"   "5066620").PN. OR ("6090436").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/22 12:22
S22	12	("4795670"   "5200249"   "5232765"   "5439732").PN. OR ("5562973").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/22 12:23
S23	59	("3913219"   "3947956"   "4416914"   "4555745"   "4566186"   "4632845"   "4774634"   "4808434"   "4870746"   "5225969"   "5298687"   "5305523"   "5347258"   "5354599"   "5384434"   "5428190"   "5502889"   "5527998"   "5599595"   "5688584"   "5716663"   "5727310"   "5747222"   "5758575"   "5763058"   "5814366").PN. OR ("6021050").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/22 12:25
S25	43	("3648364"   "3775725"   "4180608"   "4267634"   "4424251"   "4486738"   "4554732"   "4574255").PN. OR ("4870746").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/22 12:27
S24	43	("3648364"   "3775725"   "4180608"   "4267634"   "4424251"   "4486738"   "4554732"   "4574255").PN. OR ("4870746").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/22 12:27

## EAST Search History

S26	29	("3444616"   "4300115"   "4301439"   "4725925"   "4777718"   "4870746"   "4902610"   "5162144"   "5164699"   "5246817"   "5260170"   "5347258"   "5603847"   "5661450"   "5889261").PN. OR ("6130601").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/22 12:29
S27	31	("3210831"   "3670214"   "3727165"   "4179797").PN. OR ("4300115").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/22 12:30
S28	22	("4300115"   "4777718"   "4902610"   "5162144"   "5164699"   "5246817"   "5260170"   "5347258"   "5603847"   "5661450").PN. OR ("5994997").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/22 12:31
S29	20	("2945180"   "3808576"   "3813631"   "4174513"   "4737747"   "4888574"   "4892776"   "5336391"   "5422313"   "5483217"   "5756971"   "5864281"   "5907273"   "5994997"   "6141870"   "6232042"   "6248612").PN. OR ("6440318").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/22 12:33
S30	16	("3354412"   "3541474"   "3585533"   "3678417"   "4396900"   "4450418"   "4616413").PN. OR ("4737747").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/22 12:34
S31	14	("3849757"   "3909680"   "4460938"   "4926292"   "5384434"   "5708569"   "5994997").PN. OR ("6225570").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/22 12:36
S32	8	("4794048"   "5206788"   "5638252"   "5745334"   "5870274"   "5926377"   "6215372"   "6225570").PN. OR ("6597583").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/22 12:37
S33	38	("3576668"   "3878443"   "4256796").PN. OR ("4424251").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/22 12:42
S34	0	("6889155").URPN.	USPAT	OR	ON	2006/07/22 12:44
S35	10	("5172304"   "6038133"   "6060150"   "6160526").PN. OR ("6734542").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/22 12:46

## EAST Search History

S36	35	("2179960"   "3781596"   "3838204"   "4024629"   "4109377"   "4248921"   "4424409"   "4521449"   "4529835"   "4549043"   "4568562"   "4594473"   "4604496"   "4610758"   "4641425"   "4652977"   "4713494"   "5296649").PN. OR ("5383093").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/22 12:47
S37	45	("3561110"   "3680005"   "3726002"   "3838204"   "3875479"   "3895435"   "3916514"   "4030190"   "4202007"   "4237606").PN. OR ("4328531").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/22 12:48
S39	2011	(361/761-766).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/22 12:54
S38	21	("4490429"   "4629681"   "4736521"   "4763403"   "4795670"   "5111003"   "5375042"   "5478972"   "5847326"   "5943212"   "6114753"   "6118183"   "6228467"   "6351026"   "6353189"   "6407343"   "6458912"   "6535398").PN. OR ("6818836").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/22 12:54
S40	755	S39 and (resistor resistive)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/22 12:55
S41	6	("4951175"   "5273927"   "5821626"   "6181569"   "6323434"   "6392898").PN. OR ("6704208").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/22 13:04
S42	17	("4349862"   "4775573"   "4860166"   "5258648"   "5347258"   "5473512"   "5603847"   "5635761"   "5640048"   "5708569"   "5847936"   "6037044"   "6218729").PN. OR ("6351391"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/22 13:10

## EAST Search History

S43	23	("4404059"   "5088008").PN. OR ("5708569").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/22 13:14
S44	28	("4811082"   "5093587"   "5412539").PN. OR ("5635761").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/22 13:31
S46	1604	S45 and resin	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/22 13:32
S48	2	("20050139386").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/22 13:38
S47	908	S45 and (embed embedded embedding)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/22 13:38
L5	492	3 and 4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/23 11:15
L4	1686367	@py="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/23 11:15
L6	4569	3 not (thermoset thermosetting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/23 11:22
L3	11839	thermoplastic with (epoxy adj resin)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/23 11:22
L7	412	6 and (pcb pwb (printed adj circuit) ((circuit wiring) adj board))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/23 11:23

## EAST Search History

S45	8056	((thin adj film) thin-film) with resistor	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/23 11:38
L9	1333	L8 and (resistor with thickness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/23 12:09
L11	2	("20020189859").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/23 12:38
L10	2	("6871396").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/23 12:38
L19	17	("5430441"   "5534372"   "5597643"   "5633072"   "5640306").PN. OR ("5892661"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/23 13:04
L23	20	("2945180"   "3808576"   "3813631"   "4174513"   "4737747"   "4888574"   "4892776"   "5336391"   "5422313"   "5483217"   "5756971"   "5864281"   "5907273"   "5994997"   "6141870"   "6232042"   "6248612").PN. OR ("6440318"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/23 13:05
L26	6	("4490429"   "4650923"   "4791239"   "4795670"   "4806334"   "4882650").PN. OR ("7004984").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/23 13:08
L28	62	("3031344"   "4299873"   "4313026"   "4328531"   "4459166"   "4465742"   "4620264"   "4650923"   "4663215"   "4665468"   "4672152"   "4675788"   "4732798").PN. OR ("4795670"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/23 13:10



## EAST Search History

L27	21	("4490429"   "4629681"   "4736521"   "4763403"   "4795670"   "5111003"   "5375042"   "5478972"   "5847326"   "5943212"   "6114753"   "6118183"   "6228467"   "6351026"   "6353189"   "6407343"   "6458912"   "6535398").PN. OR ("6818836").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/23 13:10
L29	9	("3891450"   "4424251"   "4464420"   "4621066"   "4795670"   "5439732").PN. OR ("5879788").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/23 13:11
L32	8	("4540676"   "5729893"   "6108192"   "6184165"   "6403200").PN. OR ("6475607"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/23 13:12
L31	9	("5259110"   "5329695"   "5439732"   "5627344").PN. OR ("5729893").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/23 13:12
L30	9	("4795670").PN. OR ("5439732"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/23 13:12
L35	25	("2179960"   "3770874"   "3781596"   "3838204"   "4024629"   "4109377"   "4248921"   "4424409"   "4521449"   "4529835"   "4549043"   "4568562"   "4576735"   "4594473"   "4604496"   "4610758"   "4640739"   "4641425"   "4652977"   "4713494"   "5296649"   "5383093").PN. OR ("5897724").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/23 13:13
L34	24	("1096655"   "1779603"   "2094570"   "3511640"   "3838204"   "3872360"   "3912611"   "4155660"   "4434544").PN. OR ("4529835"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/23 13:13
L33	12	("4529835"   "4685030"   "4770953"   "4861641"   "5153077"   "5156903").PN. OR ("5627344").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/23 13:13



## EAST Search History

L37	38	("3366519"   "4801489"   "4821007"   "4945323"   "4973799"   "5025116"   "5030800"   "5032694").PN. OR ("5270493").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/23 13:14
L36	31	("2662957"   "3607389"   "3808576"   "3982045"   "4191938"   "4437140"   "4847114"   "4863758"   "4976990"   "4978422"   "5032427"   "5119111"   "5207867"   "5221418"   "5246817"   "5254968"   "5270493"   "5296334"   "5332487"   "5431959"   "5478462"   "5620612"   "5747098"   "5872695"   "5897724"   "5935706"   "5945257"   "6047463"   "6120835"   "6281090").PN. OR ("7034231").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/23 13:14
L38	9	("4795670").PN. OR ("5439732").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/23 13:17
L40	48	("4301324").PN. OR ("4490429").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/23 13:19
L39	21	("4490429"   "4629681"   "4736521"   "4763403"   "4795670"   "5111003"   "5375042"   "5478972"   "5847326"   "5943212"   "6114753"   "6118183"   "6228467"   "6351026"   "6353189"   "6407343"   "6458912"   "6535398").PN. OR ("6818836").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/23 13:19
L42	12	("4146673"   "4464421"   "4632845"   "4796356"   "4830878"   "5116641").PN. OR ("5593722").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/23 13:20
L41	19	("4312951"   "4374159"   "4376169"   "4415607"   "4490429"   "4503090"   "4632845").PN. OR ("4830878").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/23 13:20
L8	8056	((thin adj film) thin-film) with resistor	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/23 13:21

## EAST Search History

L43	372	8 and thermoplastic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/23 13:22
L44	12	("4692839"   "5373112"   "5375042"   "5488542"   "5639989"   "5929510"   "6057600"   "6214445"   "6254971"   "6339197").PN. OR ("6714422").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/23 13:33
L45	31	("4096521"   "4835704"   "4894115"   "5250843"   "5324687"   "5353498"   "5359496"   "5434751"   "5497033"   "5527741"   "5532512"   "5569487"   "5637922"   "5675310"   "5683928"   "5703400"   "5736448"   "5888837").PN. OR ("6239482").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/23 13:36
L46	46	("4074342"   "4783695"   "4894115"   "4933042"   "4941033"   "5055907"   "5108825"   "5192716"   "5353195"   "5353498"   "5452182").PN. OR ("5703400"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/23 13:38
L49	687	48 and resin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/23 13:45
L48	5333	8 not ceramic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/23 13:45

## EAST Search History

L47	162	("4783695"   "4835704"   "4894115"   "4897153"   "4933042"   "5108825"   "5161093"   "5172304"   "5338975"   "5353195"   "5353498"   "5370766"   "5422513"   "5436062"   "5450263"   "5479316"   "5527741"   "5530288"   "5548099"   "5559363"   "5563762"   "5583739"   "5683928"   "5684304").PN. OR ("5874770").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/23 13:45
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